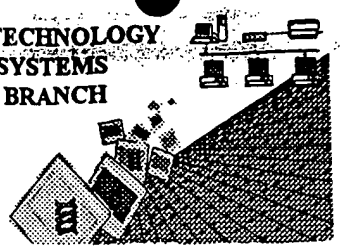
03<0

BIOTECHNOLOGY SYSTEMS BRANCH



RAW SEQUENCE LISTING ERROR REPORT

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Application Serial Number: 10/004,530
Source: OIPE
Date Processed by STIC: 6/11/2002

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FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
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Revised 01/29/2002

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/004,530

DATE: 06/11/2002
TIME: 14:33:08

Input Set : A:\00537-00900K.TXT
Output Set: N:\CRF3\06112002\J004530.raw

pp. 6, 2-4

Does Not Comply
Corrected Diskette Needed

```
     4 <110> APPLICANT: Coy, David H.
     5       Moreau, Jacques-Pierre
     6       Kim, Sun H.
     8 <120> TITLE OF INVENTION: OCTAPEPTIDE BOMBESIN ANALOGS
    11 <130> FILE REFERENCE: 00537-00900K
    13 <140> CURRENT APPLICATION NUMBER: 10/004,530
C--> 14 <141> CURRENT FILING DATE: 2002-06-04
    16 <150> PRIOR APPLICATION NUMBER: 09/260,846
    17 <151> PRIOR FILING DATE: 1999-03-02
    19 <150> PRIOR APPLICATION NUMBER: 08/337,127
    20 <151> PRIOR FILING DATE: 1994-11-10
    22 <150> PRIOR APPLICATION NUMBER: 07/779,039
    23 <151> PRIOR FILING DATE: 1991-10-18
    25 <150> PRIOR APPLICATION NUMBER: 07/502,438
    26 <151> PRIOR FILING DATE: 1990-03-30
    28 <150> PRIOR APPLICATION NUMBER: 07/397,169
    29 <151> PRIOR FILING DATE: 1989-08-21
    31 <150> PRIOR APPLICATION NUMBER: 07/376,555
    32 <151> PRIOR FILING DATE: 1989-07-07
    34 <150> PRIOR APPLICATION NUMBER: 07/317,941
    35 <151> PRIOR FILING DATE: 1989-03-02
    37 <150> PRIOR APPLICATION NUMBER: 07/282,328
    38 <151> PRIOR FILING DATE: 1988-12-09
    40 <150> PRIOR APPLICATION NUMBER: 07/257,998
    41 <151> PRIOR FILING DATE: 1988-10-14
    43 <150> PRIOR APPLICATION NUMBER: 07/248,771
    44 <151> PRIOR FILING DATE: 1988-09-23
    46 <150> PRIOR APPLICATION NUMBER: 07/207,759
    47 <151> PRIOR FILING DATE: 1988-06-16
    49 <150> PRIOR APPLICATION NUMBER: 07/204,171
    50 <151> PRIOR FILING DATE: 1988-06-08
    52 <150> PRIOR APPLICATION NUMBER: 07/173,311
    53 <151> PRIOR FILING DATE: 1988-03-25
    55 <150> PRIOR APPLICATION NUMBER: 07/100,571
    56 <151> PRIOR FILING DATE: 1987-09-24
    58 <160> NUMBER OF SEQ ID NOS: 26
    60 <170> SOFTWARE: FastSEQ for Windows Version 4.0
    62 <210> SEQ ID NO: 1
    63 <211> LENGTH: 14
    64 <212> TYPE: PRT
    65 <213> ORGANISM: Xenopus laevis
    67 <400> SEQUENCE: 1
    68 Glu Gln Arg Leu Gly Asn Gln Trp Ala Val Gly His Leu Met
```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/004,530

DATE: 06/11/2002
TIME: 14:33:09

Input Set : A:\00537-00900K.TXT
Output Set: N:\CRF3\06112002\J004530.raw

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     1               5                   10
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<212> TYPE: PRT
<213> ORGANISM: Sus scrofa
<400> SEQUENCE: 2
Ala Pro Val Ser Val Gly Gly Gly Thr Val Leu Ala Lys Met Tyr Pro
 1               5                   10                  15
Arg Gly Asn His Trp Ala Val Gly His Leu Met
            20                  25
<210> SEQ ID NO: 3
<211> LENGTH: 27
<212> TYPE: PRT
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 3
Val Pro Leu Pro Ala Gly Gly Gly Thr Val Leu Thr Lys Met Tyr Pro
 1               5                   10                  15
Arg Gly Asn His Trp Ala Val Gly His Leu Met
            20                  25
<210> SEQ ID NO: 4
<211> LENGTH: 8
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Synthetically generated peptide
W--> 101 <221> NAME/KEY: VARIANT
     102 <222> LOCATION: 8
     103 <223> OTHER INFORMATION: Xaa = statine
W--> 105 <400> 4
W--> 106 Glu Gln Trp Ala Val Gly His Xaa
     107  1               5
     109 <210> SEQ ID NO: 5
     110 <211> LENGTH: 29
     111 <212> TYPE: PRT
     112 <213> ORGANISM: Artificial Sequence
     114 <220> FEATURE:
     115 <223> OTHER INFORMATION: Synthetically generated peptide
W--> 117 <221> NAME/KEY: VARIANT
     118 <222> LOCATION: 2
     119 <223> OTHER INFORMATION: Ala at position 2 is Ala, D-Ala, N-methyl-D-Ala,
     120       or alpha-aminobutyric acid
W--> 122 <400> 5
     123 Tyr Ala Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln
     124  1               5                   10                  15
     125 Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Met Ser Arg
     126             20                  25
     128 <210> SEQ ID NO: 6
     129 <211> LENGTH: 9
     130 <212> TYPE: PRT
```

"Ala" can only represent itself, nothing else.

Use Xaa, instead, and explain it in <220>-<223> section.

RAW SEQUENCE LISTING DATE: 06/11/2002
PATENT APPLICATION: US/10/004,530 TIME: 14:33:09

Input Set : A:\00537-00900K.TXT
Output Set: N:\CRF3\06112002\J004530.raw

```
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    133 <220> FEATURE:
    134 <223> OTHER INFORMATION: Synthetically generated peptide
    136 <400> SEQUENCE: 6
    137 Glu Gln Trp Ala Val Gly His Phe Leu
    138  1               5
    140 <210> SEQ ID NO: 7
    141 <211> LENGTH: 9
    142 <212> TYPE: PRT
    143 <213> ORGANISM: Artificial Sequence
    145 <220> FEATURE:
    146 <223> OTHER INFORMATION: Synthetically generated peptide
    148 <400> SEQUENCE: 7
    149 Glu Gln Trp Ala Val Gly His Leu Leu
    150  1               5
    152 <210> SEQ ID NO: 8
    153 <211> LENGTH: 10
    154 <212> TYPE: PRT
    155 <213> ORGANISM: Artificial Sequence
    157 <220> FEATURE:
    158 <223> OTHER INFORMATION: Synthetically generated peptide
W--> 160 <221> NAME/KEY: VARIANT
    161 <222> LOCATION: 10
    162 <223> OTHER INFORMATION: Xaa = benzhydrylamine
W--> 164 <400> 8
W--> 165 Glu Gln Trp Ala Val Gly His Leu Leu Xaa
    166  1               5                  10
    168 <210> SEQ ID NO: 9
    169 <211> LENGTH: 10
    170 <212> TYPE: PRT
    171 <213> ORGANISM: Artificial Sequence
    173 <220> FEATURE:
    174 <223> OTHER INFORMATION: Synthetically generated peptide
W--> 176 <221> NAME/KEY: VARIANT
    177 <222> LOCATION: 9
    178 <223> OTHER INFORMATION: Xaa = statine
W--> 180 <221> VARIANT
    181 <222> LOCATION: 10
    182 <223> OTHER INFORMATION: Xaa = methylbenzhydrylamine
W--> 184 <400> 9
W--> 185 Glu Gln Gln Trp Ala Val Gly His Xaa Xaa
    186  1               5                  10
    188 <210> SEQ ID NO: 10
    189 <211> LENGTH: 37
    190 <212> TYPE: PRT
    191 <213> ORGANISM: Artificial Sequence
    193 <220> FEATURE:
    194 <223> OTHER INFORMATION: Synthetically generated peptide
W--> 196 <221> NAME/KEY: VARIANT
```

FYI: Xaa can only represent a single amino acid, nothing else

RAW SEQUENCE LISTING DATE: 06/11/2002
PATENT APPLICATION: US/10/004,530 TIME: 14:33:09

Input Set : A:\00537-00900K.TXT
Output Set: N:\CRF3\06112002\J004530.raw

FYI: Xaa can only represent a single amino acid

```
    197 <222> LOCATION: 1
    198 <223> OTHER INFORMATION: Xaa = Boc
W--> 200 <221> VARIANT
    201 <222> LOCATION: 37
    202 <223> OTHER INFORMATION: Xaa = methylbenzhydrylamine
W--> 204 <400> 10
W--> 205 Xaa Tyr Arg Lys Ala Leu Gly Gln Leu Ser Ala Arg Lys Leu Leu Gln
    206  1               5                  10                  15
    207 Asp Ile Met Ser Arg Gln Gln Gly Glu Ser Asn Gln Glu Arg Gly Ala
    208             20                  25                  30
W--> 209 Arg Ala Arg Leu Xaa
    210         35
    212 <210> SEQ ID NO: 11
    213 <211> LENGTH: 29
    214 <212> TYPE: PRT
    215 <213> ORGANISM: Homo sapiens
    217 <400> SEQUENCE: 11
    218 Tyr Ala Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln
    219  1               5                  10                  15
    220 Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Met Ser Arg
    221             20                  25
    223 <210> SEQ ID NO: 12
    224 <211> LENGTH: 10
    225 <212> TYPE: PRT
    226 <213> ORGANISM: Artificial Sequence
    228 <220> FEATURE:
    229 <223> OTHER INFORMATION: Synthetically generated peptide
    231 <400> SEQUENCE: 12
    232 Gly Asn His Trp Ala Val Gly His Leu Leu
    233  1               5                  10
    235 <210> SEQ ID NO: 13
    236 <211> LENGTH: 9
    237 <212> TYPE: PRT
    238 <213> ORGANISM: Homo sapiens
    240 <400> SEQUENCE: 13
    241 Glu Gln Trp Ala Val Gly His Phe Met
    242  1               5
    244 <210> SEQ ID NO: 14
    245 <211> LENGTH: 10
    246 <212> TYPE: PRT
    247 <213> ORGANISM: Homo sapiens
    249 <400> SEQUENCE: 14
    250 Gly Ser His Trp Ala Val Gly His Leu Met
    251  1               5                  10
    253 <210> SEQ ID NO: 15
    254 <211> LENGTH: 10
    255 <212> TYPE: PRT
    256 <213> ORGANISM: Xenopus laevis
    258 <400> SEQUENCE: 15
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RAW SEQUENCE LISTING DATE: 06/11/2002
PATENT APPLICATION: US/10/004,530 TIME: 14:33:09

Input Set : A:\00537-00900K.TXT
Output Set: N:\CRF3\06112002\J004530.raw

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262 <210> SEQ ID NO: 16
263 <211> LENGTH: 10
264 <212> TYPE: PRT
265 <213> ORGANISM: Homo sapiens
267 <400> SEQUENCE: 16
268 Gly Asn His Trp Ala Val Gly His Leu Met
269  1               5                  10
271 <210> SEQ ID NO: 17
272 <211> LENGTH: 28
273 <212> TYPE: PRT
274 <213> ORGANISM: Homo sapiens
276 <400> SEQUENCE: 17
277 His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln
278  1               5                  10                  15
279 Met Ala Val Lys Lys Tyr Leu Asn Ser Ile Leu Asn
280             20                  25
282 <210> SEQ ID NO: 18
283 <211> LENGTH: 27
284 <212> TYPE: PRT
285 <213> ORGANISM: Homo sapiens
287 <400> SEQUENCE: 18
288 His Ala Asp Gly Val Phe Thr Ser Asp Phe Ser Arg Leu Leu Gly Gln
289  1               5                  10                  15
290 Leu Ser Ala Lys Lys Tyr Leu Glu Ser Leu Ile
291             20                  25
293 <210> SEQ ID NO: 19
294 <211> LENGTH: 27
295 <212> TYPE: PRT
296 <213> ORGANISM: Homo sapiens
298 <400> SEQUENCE: 19
299 His Ser Asp Gly Thr Phe Thr Ser Glu Leu Ser Arg Leu Arg Asp Ser
300  1               5                  10                  15
301 Ala Arg Leu Gln Arg Leu Leu Gln Gly Leu Val
302             20                  25
304 <210> SEQ ID NO: 20
305 <211> LENGTH: 44
306 <212> TYPE: PRT
307 <213> ORGANISM: Homo sapiens
309 <400> SEQUENCE: 20
310 Tyr Ala Asp Val Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln
311  1               5                  10                  15
312 Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Met Ser Arg Gln Gln Gly
313             20                  25                  30
314 Glu Ser Asn Gln Glu Arg Gly Ala Arg Ala Arg Leu
315         35                  40
317 <210> SEQ ID NO: 21
318 <211> LENGTH: 29
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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 06/11/2002
PATENT APPLICATION: US/10/004,530 TIME: 14:33:10

Input Set : A:\00537-00900K.TXT
Output Set: N:\CRF3\06112002\J004530.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; Xaa Pos. 8
Seq#:8; Xaa Pos. 10
Seq#:9; Xaa Pos. 9,10
Seq#:10; Xaa Pos. 1,37